

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Presently Amended) Integrated multispot satellite communication system ~~[[(S)]]~~ in a multimedia broadcasting network with a return channel, ~~characterised in that it comprises~~ comprising common means of burst synchronisation ~~[[(4)]]~~ such that the transmission rate in a downlink direction ~~[[(P2; U2; C2)]]~~ from the satellite is a whole multiple of a clock reference of said network.

2. (Presently Amended) System according to claim 1, ~~characterised in that it includes said system comprising a satellite [[(S)]]~~ suitable for generating configured to generate said network clock reference.

3. (Presently Amended) ~~Multiplexer for including in the~~ The system satellite of claim 2, further comprising a multiplexer.

4. (Presently Amended) The system ~~Multiplexer~~ according to claim 3, characterised in that ~~[[it]]~~ said multiplexer is suitable for fitting in a synchronous manner different uplink channels into a downlink signal, ~~in such a manner that wherein~~ in a period of the downlink frame ~~[[(Tdf)]]~~ is equal to a period of the uplink frame ~~[[(Tuf)]]~~.

5. (Presently Amended) Method of burst synchronisation in an integrated multispot satellite communication system in a multimedia broadcasting network with return channel, ~~characterised in that~~ wherein said synchronisation is common for a multimedia services provider and a user, in such a manner that the transmission rate in a downlink direction (~~P2; U2; C2~~) is a whole multiple of a network clock reference.

6. (Presently Amended) Method according to claim 5, ~~characterised in that it comprises the generation of~~ comprising generating said network clock reference in a satellite ~~[[S]]~~ of said system.

7. (New) The method of claim 5, wherein a satellite uses a multiplexer to perform said synchronization.

8. (New) The method of claim 7, wherein said multiplexer synchronously fits different uplink channels into a downlink signal, and a period of the downlink frame is equal to a period of the uplink frame.

9. (New) The system of claim 1, wherein said system is configured to communicate in accordance with digital video broadcasting-return channel system (DVB-RCS).

10. (New) The method of claim 5, wherein method comprises communicating in accordance with digital video broadcasting-return channel system (DVB-RCS).

11. (New) The system of claim 1, wherein said downlink direction transmission rate is one of 54 Mbit/s, 81 Mbit/s and 108 Mbit/s.

12. (New) The method of claim 5, wherein said downlink direction transmission rate is one of 54 Mbit/s, 81 Mbit/s and 108 Mbit/s.

13. (New) The system of claim 1, wherein a bandwidth of a transmitter onboard said satellite is a multiple of 27 MHz.

14. (New) The method of claim 5, wherein a transmitter onboard said satellite operates at a bandwidth that is a multiple of 27 MHz.